Application 253-00

Agilent Refinery Analyzer

Oxygenates in Butane Feed Stocks, Gasoline, Naphtha

Technical Overview

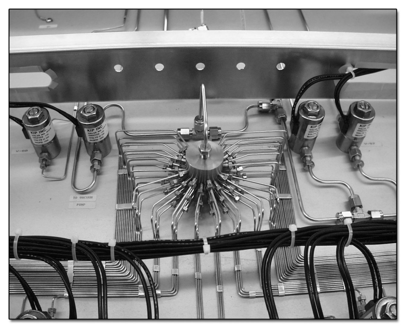


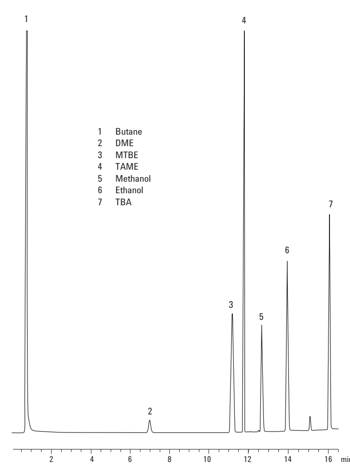
Application Highlights

- A single Flame Ionization Detector (FID) to detect the following components to a lower detection limit of 1 ppm:

  Dimethyl ether (DME)
  Ethyl-tert-butyl ether (ETBE)
  Diisopropyl-ether (DIPE)/methyl tert-butyl ether (MTBE) - (composite)
  sec-butyl-methyl ether (SBME)
  tert-amylmethyl ether (TAME)
  Methanol
  Acetone
  Ethanol
  t-butanol/sec-butanol (composite)

- Analysis time: approximately 15 minutes





Optional Configurations

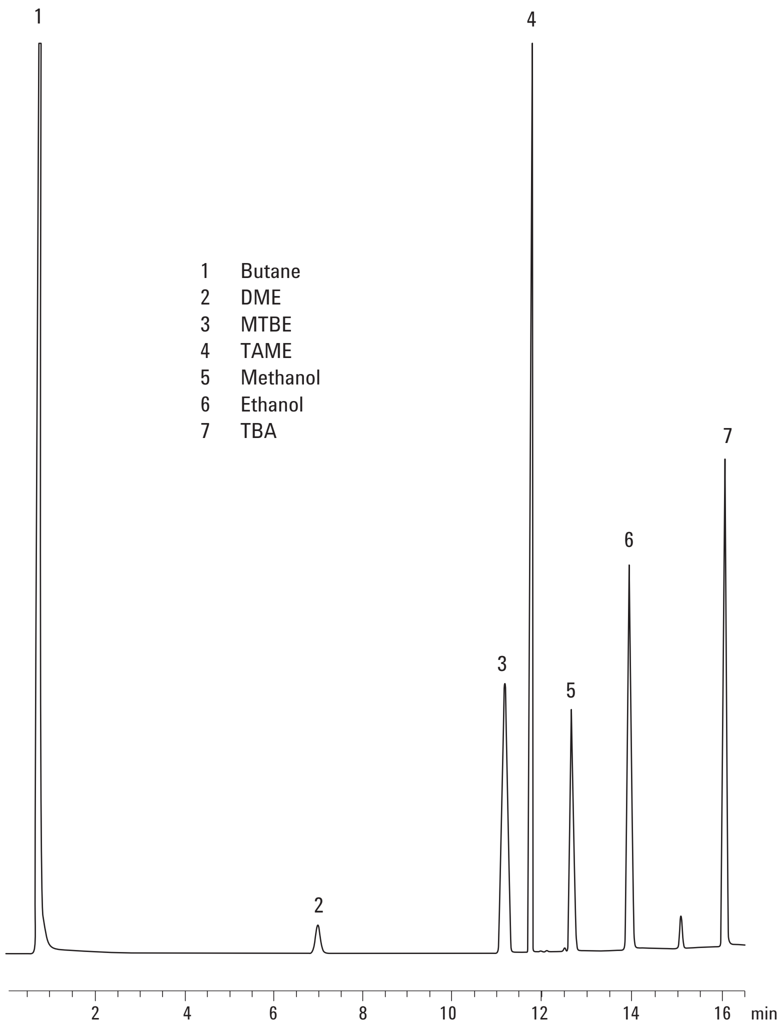
- Refinery gas analysis with trace sulfurs by SCD
- Additional boiling point column for the analysis of heavy hydrocarbons (C1–C30)
- Standard analysis with the addition of trace CO by methanizer
- Custom analyzer for performing ASTM D2163, ASTM D2712, and ISO 7941
- High temperature injection for heavy fractions
- High temperature reactor effluent with percent level water
- TCD/TCD/MSD for the analysis of reactor effluent gases

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FID output from the Agilent refinery analyzer.

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